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(54) Title: OVERFEEDING METHODS FOR DETERMINING THERAPEUTIC STRATEGIES AND/OR TARGETS FOR OBESITY THERAPEUTICS

(57) Abstract: Methods for determining therapeutic strategies and/or targets for examining weight loss in an individual, comprising administering to the individual a prolonged overfeeding regimen and identifying gene and/or protein expression that occur in the individual with the prolonged overfeeding regimen.

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/07253

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12Q 1/68; G01N 33/53  
US CL : 435/6, 7.1

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
U.S. : 435/6, 7.1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
MEDLINE, BIOSIS, EMBASE, SCISEARCH, CAPLUS, WEST

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	ADAMS F. et al. Age-related changes of renin-angiotensin system genes in white adipose tissue of rats. Horm. Metab. Res. 2002, Vol. 34, 716-720, see entire document.	1-13
A	ENGELI S. et al. The adipose-tissue renin-angiotensin-aldosterone system: role in the metabolic syndrome? The Int. J. Biochem. Cell Biol. 2003, Vol. 35, pages 807-825, see entire document.	1-13
Y	HAGAN M.M. et al. Role of the CNS melanocortin system in the response to overfeeding. The J. Neurosci. 15 March 1999, Vol. 19, No. 6, pages 2362-2367, see	1-13
Y	LEVINE J.A. et al. Adipocyte macrophage colony-stimulating factor is a mediator of adipose tissue growth. The J. Clin. Invest. April 1998, Vol. 101, No. 8, pages 1557-1564, see entire document.	1-13
A	LI Y. et al. Increased inhibition by agouti-related peptide of ventromedial hypothalamic neurons in rats overweight due to early postnatal overfeeding. Neuroscience Letters. 2002, Vol. 330, pages 33-36, see entire document.	1-13



Further documents are listed in the continuation of Box C.



See patent family annex.

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## C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	OBICI S. et al. Identification of a biochemical link between energy intake and energy expenditure. The J. Clin. Invest. June 2002, Vol. 109, No. 12, pages 1599-1605, see entire document.	1-13